KEELER 200 WATT FIBRELITE ILLUMINATOR

2901-P-2141
2901-P-2168

INSTRUCTIONS FOR USE

Keeler

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The Keeler Fibrelite 200 watt Illuminator/ Fibrelite cable

Thank you for purchasing the Keeler Fibrelite. This compact and powerful light source will provide many years of quality service. The Keeler Fibrelite features include a powerful 200-watt quartz halogen lamp; a composite filter; and a thermostatically controlled fan to minimise the risk of overheating. It has been designed to be combined with the Keeler Fibrelite fibre-optic cable. Many protective features have been built in to the design of your fibre optic cable; however, care must still be taken when handling it. Do not bend your cable in half or exert excessive pressure or strain on your cable as this may result in damage to the fibres and decreased illumination intensity.

IMPORTANT- PLEASE READ BEFORE USE

- Please inspect your Keeler Fibrelite upon receipt to ensure that no damage has resulted in shipment and that all necessary parts are included.
- Before any changes are made to the voltage, power supply or lamp replacement on your Fibrelite, it should be disconnected from the mains.
- The lamp is extremely hot when in operation. Ensure you read the instructions fully before changing the lamp.
- The Keeler Fibrelite is not suitable to be used in the presence of flammable anaesthetics.
- Your Light source should be kept free of any dust or dirt. The space around the unit should be free of any blockages or obstructions.
- Care should be taken when using fibre optic cables as the fibres can easily break if heavy weight is placed on them or they are stretched.
- If any malfunction occurs (other than a burnt out lamp or fuse) please contact Keeler Ltd or your nearest authorised distributor.
- The Keeler Fibrelite is a Class 1 medical device.

Operating Instructions – Fig.1

1. Ensure the voltage selector is set to the correct voltage output. (1)
2. Connect the power supply to the input socket in the rear of the unit and connect to your mains power supply. (2)
3. Insert the Fibrelite fibre-optic cable into the port. (3)
4. Turn on the lamp using the on/off switch on the front of the unit. (4)
5. The fan will automatically activate when the unit has reached a pre-determined temperature.
6. Select the intensity of the light you require using the manual intensity control knob. (5)
7. Select high intensity or the maximum bulb life option on the rear of the unit. (6)
8. Once you have finished using, switch the unit off at the front of the unit. The fan may continue to run until the unit has cooled to the pre-determined temperature.

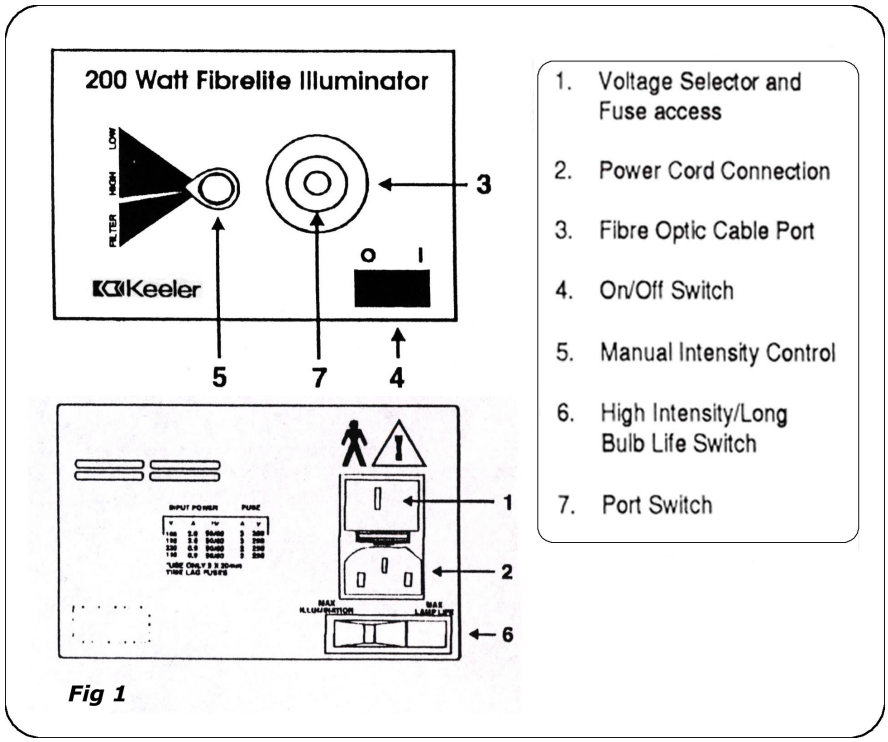

Fig 1

Changing the Lamp – Fig.2

1. Turn off the light source and unplug the unit from the wall.
   Allow the lamp to cool for a minimum of 10 minutes.
2. Open the access door on the top of the light source.
3. Push lever (1) towards the rear of the light source- this will raise the lamp out of the base.
4. Remove the lamp from the light source
5. Re-position lever (1) to the forward position
6. Fit the new lamp into the wire guides (3) and slide the posts (4) at the rear of the lamp into the slots (5) of the ceramic base
7. Gently push the lamp down until it is held firmly in the ceramic base.
8. Close and secure the access door.

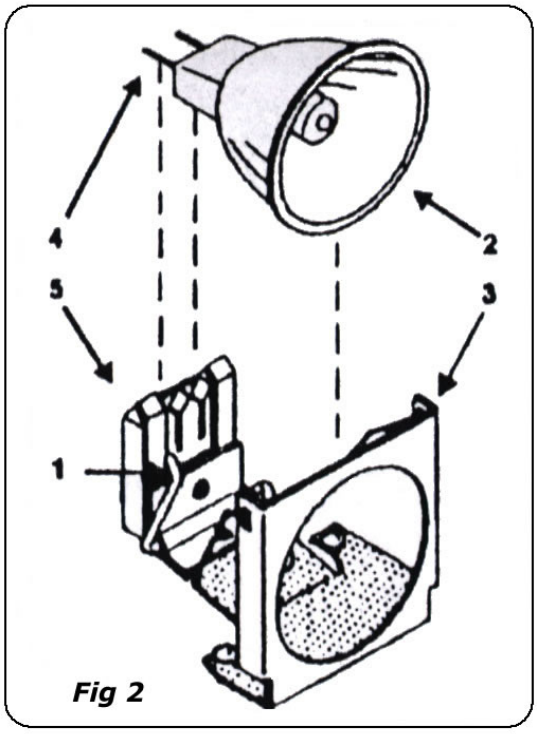

Fig 2

Changing the port – Fig.3

It is possible to replace the existing ACMI cable port for Wolf, Storz or Olympus cables (adapters are available for purchase).

1. Turn off the light and disconnect the power cord.
2. Using a small flathead screwdriver, loosen the screw located under the port on the front of the unit. (Fig.1.7)
3. Remove the existing connection port.
4. Reverse this procedure to connect the new port.

Changing the fuse – Fig.3

If the light source will not function properly; first check the bulb, wall outlet and connections. Then check the fuses at the rear of the light source.

1. Turn off the light source and disconnect the power cord from the wall outlet and light source
2. To remove the fuse drawer, push up the tab (A) with a small screwdriver and slide out the drawer from the rear of the Light Source.
3. If required, replace the fuses (B) with 5 x 20mm Time Lag fuses.
4. Select the proper current rating for the fuse by referring to the instruction panel printed on the back of the light source.
5. Slide the fuse drawer back into position and press until a click is heard.

Changing the Voltage – Fig.3

The voltage in the Light Source is set to the voltage of the country to which it has been shipped. If it is necessary to change the voltage, follow these instructions.

1. Remove the fuse drawer as described in steps 1 & 2 above.
2. Slide the Voltage Selector Insert (C) out of the housing by pulling towards you.
3. Find the side that corresponds to the voltage that you are seeking.
4. The number indicating the voltage you desire should face out and be visible from the Slide the Voltage Selector Insert back into the drawer and press until it seats.
5. Be sure to insert the proper fuse corresponding with the voltage selected – Consult the listing on the back of the Keeler Fibrelite.
6. Replace the fuse drawer and press until it clicks into position.

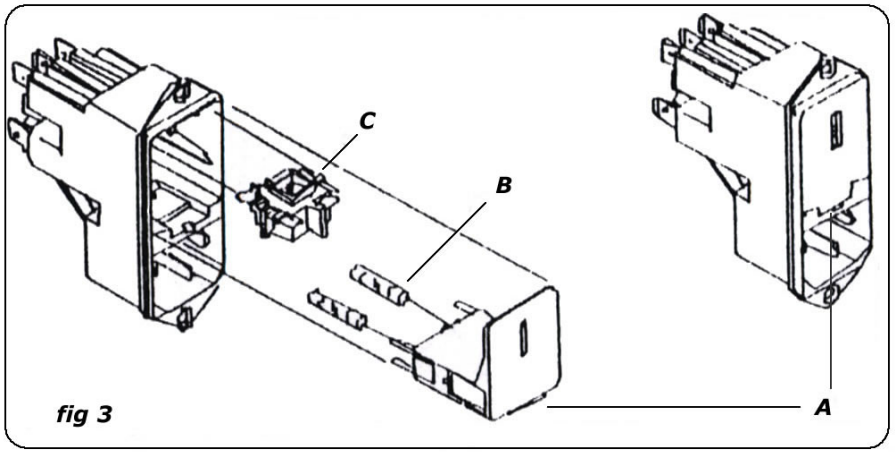

fig 3

Fitting the fibre optic cables to a Loupe frame or headband using a Keeler fit cable

1. Remove the loupes from the frame or headband by holding the hinge in one hand and pulling the loupe bar away.
2. Fit the Keelerfit clip onto the loupe bar with the two pins at the front of the bar.
3. Clip the loupes and light cable back onto the frame pins.
4. Attach the cable to the frame arm or headband using the clip provided.

Fitting a replacement cable

1. Use the Allen key enclosed with your replacement cable to loosen the light optic at the end of the cable.
2. Remove the light optic and reattach it in the same way to the replacement cable.

Cleaning

The outside surface of the unit may be cleaned with a damp (not wet) cloth and mild detergent.

Warranty

The unit and cable are guaranteed for 1 year from the date of purchase and will be repaired or replaced free of charge subject to the following;

1. Any fault that is due to faulty manufacture
2. The instrument has been used in compliance with these instructions
3. Proof of purchase accompanies any claim.

Spares and Accessories

Replacement parts and accessories are available to purchase from Keeler Ltd or your local distributor.

1029-P-7075	Spare lamp for Keeler Fibrelite light source
1029-P-7083	2 metre replacement cable
1029-P-7091	3 metre replacement cable
1029-P-7120	Adapter for Wolf light source
1029-P-7139	Adapter for Storz light source
1029-P-7147	Adapter for Olympus light source

Product Specifications

Size:	L7.5” x W5.5” x H 4.2”
Weight:	3.06Kg
Voltage:	100V – 240V, 50/60Hz
Lamp:	EJL 200 Watt Quartz Halogen
Certification:	ETL Certified to UL 2601; cETL Certified to CAN/CSA C22.2 No.601.1; EN 55011 (CISPR 11), IEC 801-2&4, IEC 801-3, IEC 801-5

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The CE mark on this product indicates it has been tested to and conforms with the provisions noted within the 93/42/eec Medical Device Directive.

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